

Sun Comments on Draft 2 Version 5.0 ENERGY STAR Computer Specification

9/16/08

Since one of the major goals of the Energy Star computer requirements is to significantly reduce the energy wasted by computer equipment during non-use periods, it is critical that sites not feel it necessary to disable power-saving Off/Sleep modes just to avoid interfering with the ability to remotely manage and update such systems during such non-use periods.

As such, computers with Ethernet capability shipped through Enterprise Channels, that are capable of having updates and other management functions performed remotely via LAN, must support a Wake on LAN (WOL) feature for Sleep mode. Such computers must meet one of the following requirements [from existing Draft]:

- * be shipped with Wake On LAN (WOL) enabled from the Sleep mode when operating on ac power (i.e. notebooks may automatically disable WOL when disconnected from the mains); or
- * provide control to enable WOL that is sufficiently-accessible from both the client operating system user interface and over the network if computer is shipped to enterprise without WOL enabled.

For networked devices which have no local features that can be remote managed, nor have any need for after-hours updates that would require remotely waking the sleeping device, a WOL feature is optional.

Table 4: WOL (Applies only if WOL is required per Table 5)

Table 5: WOL

TCs whose FW or onboard OS can be flashed, updated and/or patched from the network in 10 sec. or less are exempt from this requirement)